New York State Department of Environmental Conservation
Division of Hazardous Waste Remediation
Bureau of Hazardous Site Control

~~Delist~~ 734001

ADDITIONS/CHANGES TO REGISTRY: SUMMARY OF APPROVALS

SITE NAME: BRISTOL LABORATORIES **DEC I.D. NUMBER** 734-001

Current Classification 2a

Activity: ☐ Add as Class ___ ☑ Reclassify to 3 ☐ Delist Category ___ ☐ Modify ___

Approvals:

Regional Hazardous Waste Engineer	Yes	☑	No ☐	
NYSDOH	Yes	☐	No ☐	SEE EHB LTR DTD 1/5/95 TO A. CARLSON
DEE	Yes	☑	No ☐	
Construction Services	Yes	n/a	No ☐	
BHSC: a. Investigation Section	Yes	☑	No ☐	
b. Site Control Section			Date 1/18/95	
c. Director	John B. Swartwout for EHB		Date 1/23/95	
DHWR Assistant Director			Date 1/23/95	

Completion Checklist

		Completed By: Initials	Date
OWNER NOTIFICATION LETTER?	☑		3/15/95
ADJACENT PROPERTY OWNER NOTIFICATION LETTER?	☑		4/3/95
ENB/LEGAL NOTICE SENT? (For Deletion Only)	☐		
COMMENTS SUMMARIZED/PLACE IN REPOSITORY	☐		
FINAL NOTIFICATION SENT TO OWNER? (For Deletion Only)			

(For proposed Class 2a sites only) Planned investigative activities & dates: ___

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION

11/18/92

REGISTRY SITE CLASSIFICATION DECISION

1. SITE NAME	2. SITE NUMBER	3. TOWN/CITY/VILLAGE	4. COUNTY
Bristol Laboratories	734001	Dewitt, NY	Onandaga

5. REGION	6. CLASSIFICATION
7	CURRENT 2a PROPOSED 3 MODIFY

7. LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location)

a. Quadrangle Syracuse East

b. Site Latitude 43 ___° _04__' _00__" Site Longitude _76__° _05__' _00__"

c. Tax Map Numbers 011.-01-01.0

d. Site Street Address Thompson Rd, Dewitt, NY 13214

8. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations)

This inactive landfill is located with in the Bristol Myers Squibb facility on Thompson Road in the village of East Syracuse NY. The site was reportedly used from mid 1950's until 1971 for the disposal of vials containing laboratory wastes. No written records of the composition of laboratory wastes are available. However the vials are believed to have contained Volatile Organic Compounds used as laboratory solvents. The vials were periodically taken to the site and broken in gravel filled trenches and the contents were ignited. Approximately 100 to 200 vials each year were disposed of in this manner. The trenches were backfilled prior to 1971 when laboratory wastes were disposed of off-site by contractors hired by Bristol Myers Squibb. No records of the precise location of the gravel-filled trenches exist.

a. Area __1.5___ acres b. EPA ID Number __NYD 002230902_____

c. Completed ( )Phase I ( )Phase II (X) PSA ( )RI/FS ( )PA/SI ( )Other

9. Hazardous Waste Disposed (Include EPA Hazardous Waste Numbers)

Laboratory wastes containing volatile organic compounds used as laboratory solvents were disposed in gravel-filled trenches and were ignited. The investigation revealed the physical evidence of past disposal of hazardous waste through the discovery of gravel lined trenches containing laboratory wastes. Chlorinated solvents were found in soils and ground water samples. 1,1,1 Trichloroethane, 1,1 Dichloroethane contravened the N.Y. State ground water standards. Acetone exceeded the N.Y. State surface water guidance value. This further confirms the harzadous waste deposition.

10. ANALYTICAL DATA AVAILABLE

a. ( )Air (X)Groundwater (X)Surface Water (X)Sediment (X)Soil ( )Waste ( )Leachate ( )EPTox ( )TCLP

b. Contravention of Standards or Guidance Values

Volatile organic compounds were detected at low levels in the ground water. ~~No contravention of ground water standards~~. The down stream surface water sample of the Creek indicates contravention of Acetone at 61 ppb > 50 ppb of the guidance value. The ground water samples indicate 1,1,1 Trichloroethane at 13 ppb > 5 ppb of N.Y. State standard and 1,1 Dichloroethane at 9 ppb > 5 ppb of N.Y. State standard.

11. JUSTIFICATION FOR CLASSIFICATION DECISION

Laboratory wastes containing volatile organic compounds used as laboratory solvents F001 waste were disposed in gravel filled trenches and were ignited. This was confirmed during the investigation and the analytical data further confirms the hazardous waste disposal. There are contraventions of ground water standards due to this disposal. The vicinity is supplied with public water supply. ~~Therefore,~~ A class 3 classification is justifiable, since contaminant levels are not significantly above standards.

12. SITE IMPACT DATA

a. Nearest Surface Water: Distance _____0___ft. Direction West Classification ___D_____

b. Nearest Groundwater: Depth ___<10___ft. Flow Direction ____East_____ ( )Sole Source ( )Primary ( )Principal

c. Nearest Water Supply: Distance _6 Miles_____ft. Direction __South_____ Active (X)Yes ( )No

d. Nearest Building: Distance __500___ft. Direction Use _____Industrial_____

e. In State Economic Development Zone?	( )Y	(X)N	i. Controlled Site Access?	(X)Y	( )N
f. Crops or livestock on site?	( )Y	(X)N	j. Exposed hazardous waste?	( )Y	(X)N
g. Documented fish or wildlife mortality?	( )Y	(X)N	k. HRS Score _____		
h. Impact on special status fish or wildlife resource?	( )Y	(X)N	l. For Class 2: Priority Category _____		

13. SITE OWNER'S NAME	14. ADDRESS	15. TELEPHONE NUMBER
Bristol Myer's Squibb	Thompson Road Dewitt, NY.	(315) 432 - 2000

16. PREPARER	17. APPROVED
Signature: [signature] Date: 8/11/94	Signature: [signature] Date: 1/23/95
Srikanth Maddineni , Environmental Engineer II, EIS, BHSC, DHWR	A.S. (+D.S.)
Name, Title, Organization	Name, Title, Organization

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION

11/18/92

REGISTRY SITE CLASSIFICATION DECISION

1. SITE NAME	2. SITE NUMBER	3. TOWN/CITY/VILLAGE	4. COUNTY
Bristol Laboratories	734001	Dewitt, NY	Onandaga

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a. Quadrangle Syracuse East

b. Site Latitude 43 ___ ° _04__ ' _00__ " Site Longitude _76__ ° _05__ ' _00__ "

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a. Area __1.5___ acres b. EPA ID Number __NYD 002230902_____

c. Completed ( )Phase I ( )Phase II (X) PSA ( )RI/FS ( )PA/SI ( )Other

9. Hazardous Waste Disposed (Include EPA Hazardous Waste Numbers)

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10. ANALYTICAL DATA AVAILABLE

a. ( )Air (X)Groundwater (X)Surface Water (X)Sediment (X)Soil ( )Waste ( )Leachate ( )EPTox ( )TCLP

b. Contravention of Standards or Guidance Values

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11. JUSTIFICATION FOR CLASSIFICATION DECISION

Laboratory wastes containing volatile organic compounds used as laboratory solvents F001 waste were disposed in gravel filled trenches and were ignited. This was confirmed during the investigation and the analytical data further confirms the hazardous waste disposal. There are contraventions of ground water standards due to this disposal. The vicinity is supplied with public water supply. ~~Therefore,~~ A class 3 classification is justifiable. contaminant levels are not typical of the above standards.

12. SITE IMPACT DATA

a. Nearest Surface Water: Distance _____0___ft. Direction West Classification ___D_____

b. Nearest Groundwater: Depth ___<10___ft. Flow Direction ____East_____ ( )Sole Source ( )Primary ( )Principal

c. Nearest Water Supply: Distance _6 Miles_____ft. Direction __South_____ Active (X)Yes ( )No

d. Nearest Building: Distance ___500___ft. Direction Use _____Industrial_____

e. In State Economic Development Zone?	( )Y	(X)N	i. Controlled Site Access?	(X)Y	( )N
f. Crops or livestock on site?	( )Y	(X)N	j. Exposed hazardous waste?	( )Y	(X)N
g. Documented fish or wildlife mortality?	( )Y	(X)N	k. HRS Score _____		
h. Impact on special status fish or wildlife resource?	( )Y	(X)N	l. For Class 2: Priority Category _____		

13. SITE OWNER'S NAME	14. ADDRESS	15. TELEPHONE NUMBER
Bristol Myer's Squibb	Thompson Road Dewitt, NY.	(315) 432 - 2000

16. PREPARER	17. APPROVED
Signature: [signature] Date: 8/11/94	Signature: [signature] Date: 1/23/95
Srikanth Maddineni , Environmental Engineer II, EIS, BHSC, DHWR	G.A. Carlson, Director, BEET
Name, Title, Organization	Name, Title, Organization

STATE OF NEW YORK
DEPARTMENT OF HEALTH

Center for Environmental Health 2 University Place Albany, New York 12203-3399

OFFICE OF PUBLIC HEALTH
Lloyd F. Novick, M.D., M.P.H.
Director
Diana Jones Ritter
Executive Deputy Director
William N. Stasiuk, P.E., Ph.D.
Center Director

January 23, 1995

Mr. Earl Barcomb, P.E., Director
Bureau of Hazardous Waste Remediation
NYS Dept. of Environmental Conservation
50 Wolf Rd., Room 220
Albany, NY 12233

RE: **Registry Site Classification Decision**
Bristol Laboratories
Site ID #734001
Dewitt (T), Onondaga County

Dear Mr. Barcomb:

My staff have reviewed the Registry Site Classification Decision package for the Bristol Laboratories. The proposed classification change is from 2a to 3. Since the site is secured by a fence, has motion detectors, and the entire area is served by public water no exposures are expected to occur from this site. I concur with the classification change, as it is protective of public health.

If you have any questions, please contact me or Mr. Gary Litwin, of my staff at 458-6306.

Sincerely,

G. Anders Carlson

G. Anders Carlson, Ph.D.
Director
Bureau of Environmental Exposure
Investigation

jlh/95023PRO0709

Enclosure

cc: Mr. G. Litwin/FILE
Mr. R. Heerkens - Syracuse Field Office
Mr. C. Branagh - DEC - Region 7

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233 - 7010

JAN - 5 1995

Langdon Marsh
Commissioner

G. Anders Carlson, Ph.D.
Director
Bureau of Environmental Exposure Investigation
Room 205
NYS Department of Health
Two University Place
Albany, New York 12203-3313

Dear Andy:

As in past years, reclassification or delisting of Class 2a sites received priority attention in DHWR. We have identified, as a goal, 75 such sites on which to complete action. Moving cleaned up sites out of the Registry or into a more appropriate classification is as important as 2a site reductions for showing program progress and in treating PRPs fairly. In order to maintain our momentum toward these goals, we need your support in expediting DOH staff review of and response to the Bristol Labs (Site I.D. #734001) reclassification package, which was forwarded to you on August 16, 1994.

Please indicate whether or not you concur with the recommended action by either signing and returning the site package or by providing reasons for your nonconcurrence by January 13, 1995. We will assume that you agree with the recommended action for those sites for which we do not receive a response, and we will proceed to implement the action.

Please contact Bob Marino with any questions and/or concerns.

Sincerely,

Earl H. Barcomb
Director
Bureau of Hazardous Site Control
Division of Hazardous Waste Remediation

bcc: E. Barcomb
R. Marino

RM/srh

CLASSIFICATION WORKSHEET

Site: Bristol Laboratories County: Onondaga Region: 7

1. Hazardous waste disposed? [X] Y (to 2) [ ] N (Stop) [ ] U (Stop)

2. Consequential amount of hazardous waste? [X] Y (to 3) [ ] N (Stop) [ ] U (to 3)

3. Part 375-1.4(a)(1) applies? [X] N (to 4) [ ] U (to 4)

[ ] Y (as checked below; Class 2; to 5)

- [ ] a. endangered or threatened species
- [ ] b. streams, wetlands or coastal zone
- [ ] c. bioaccumulation
- [ ] d. fish, shellfish, crustacea or wildlife
- [ ] e. fire, spill, explosion or toxic reaction
- [ ] f. proximity to people or water supplies

4. Part 375-1.4(a)(2) applies? [X] N (Cl 3; Stop) [ ] U (Cl 2a; Stop)

[ ] Y (Class 2; to 5)

5. Factor(s) considered in making this determination: Laboratory wastes containing volatile organic compounds used as laboratory solvents (F001) were disposed in gravel filled trenches and were ignited. This was confirmed during the investigation and the analytical data further confirms the presence of hazardous waste disposal. There are contraventions of groundwater standards due to this disposal. However, the vicinity is supplied with public water supply. Therefore, a class 3 classification is justifiable .

SUMMARY

Consequential Hazardous Waste	[X] Yes	[ ] No	[ ] Unknown
Significant Threat	[ ] Yes	[X] No	[ ] Unknown

Proposed Classification 3 Site Number 734001

8/5/94 — Date

Sri Maddineni - Environmental Engineer II — Signature and Title

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION 091395
INACTIVE HAZARDOUS WASTE DISPOSAL REPORT

CLASSIFICATION CODE: 3 REGION: 7 SITE CODE: 734001
EPA ID: NYD002230902

NAME OF SITE : Bristol Labs
STREET ADDRESS: Thompson Road
TOWN/CITY: COUNTY: ZIP:
Dewitt Onondaga 13214

SITE TYPE: Open Dump- Structure- Lagoon- Landfill-X Treatment Pond-
ESTIMATED SIZE: 1.5 Acres

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER NAME....: Bristol Myer's Squibb
CURRENT OWNER ADDRESS.: Thompson Road, Dewitt, NY
OWNER(S) DURING USE...: Bristol Labs
OPERATOR DURING USE...: Bristol Labs
OPERATOR ADDRESS.....: Thompson Road, Dewitt, NY
PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From mid 1950s To 1971

SITE DESCRIPTION:
Latitude: 43 04'00"N Longitude: 76 05'00"W
Flat topography: Light industrial/residential area
Nearest water body: South branch of Ley Creek is located adjacent to the site on the west

The Bristol Laboratories site is an inactive landfill that was used as a burning pit to dispose unknown quantities of laboratory solvents and chemicals used by the company. The company manufactured antibiotics, penicillin, and various other drugs. The site is approximately 1.5 acres in size, and was used for about 15 years, from the mid 1950s to 1971. Small bottles of laboratory waste were dumped here at the rate of about 100-200 bottles per year. The bottles contained wastes such as acetone, peroxides, mineral oils, and spent lab chemicals. The wastes were periodically ignited & after burning out, covered over with soil. A Phase I Investigation has been completed, and a Preliminary Site Assessment (PSA) was completed in December of 1992. The PSA Investigation revealed the physical evidence of past disposal of hazardous waste by the discovery of gravel lined trenches containing laboratory wastes. Chlorinated solvents were found in soils and groundwater. The groundwater samples indicated 1,1,1 trichloroethane at 13 ppb, and 1,1 dichloroethane at 9 ppb, both exceeeding the NYS Groundwater Standard of 5 ppb for each. The downstream surface water sample revealed acetone at 61 ppb which exceeds the NYS Guidance Value of 50 ppb. The contraventions of both groundwater and surface water standards has been observed. Because the area is served by a public water supply and the contaminant levels are not significantly above standards, a significant threat does not exist at this site.

HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY (units)
Laboratory solvents (F001 Waste)	unknown

SITE CODE: 734001

ANALYTICAL DATA AVAILABLE:
Air- Surface Water-X Groundwater-X Soil-X Sediment-

CONTRAVENTION OF STANDARDS:
Groundwater-X Drinking Water- Surface Water- Air-

LEGAL ACTION:

TYPE..: Consent Order State- X Federal-
STATUS: Negotiation in Progress- Order Signed- X

REMEDIAL ACTION:

Proposed- Under design- In Progress- Completed-
NATURE OF ACTION:

GEOTECHNICAL INFORMATION:
SOIL TYPE: Lacustrine silt, clay and fill material
GROUNDWATER DEPTH: Approximately 10 feet

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

The PSA was completed in December of 1992. The results of the PSA confirm the disposal of hazardous waste at this site. Groundwater and surface water have been shown to be contaminated with solvents.

ASSESSMENT OF HEALTH PROBLEMS:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
INACTIVE HAZARDOUS WASTE DISPOSAL REPORT

CLASSIFICATION CODE: 3 REGION: 7 SITE CODE: 734001
EPA ID: NYD002230902

NAME OF SITE : Bristol Labs
STREET ADDRESS: Thompson Road
TOWN/CITY: Dewitt COUNTY: Onondaga ZIP: 13214

SITE TYPE: Open Dump- Structure- Lagoon- Landfill- X Treatment Pond-
ESTIMATED SIZE: 1.5 Acres

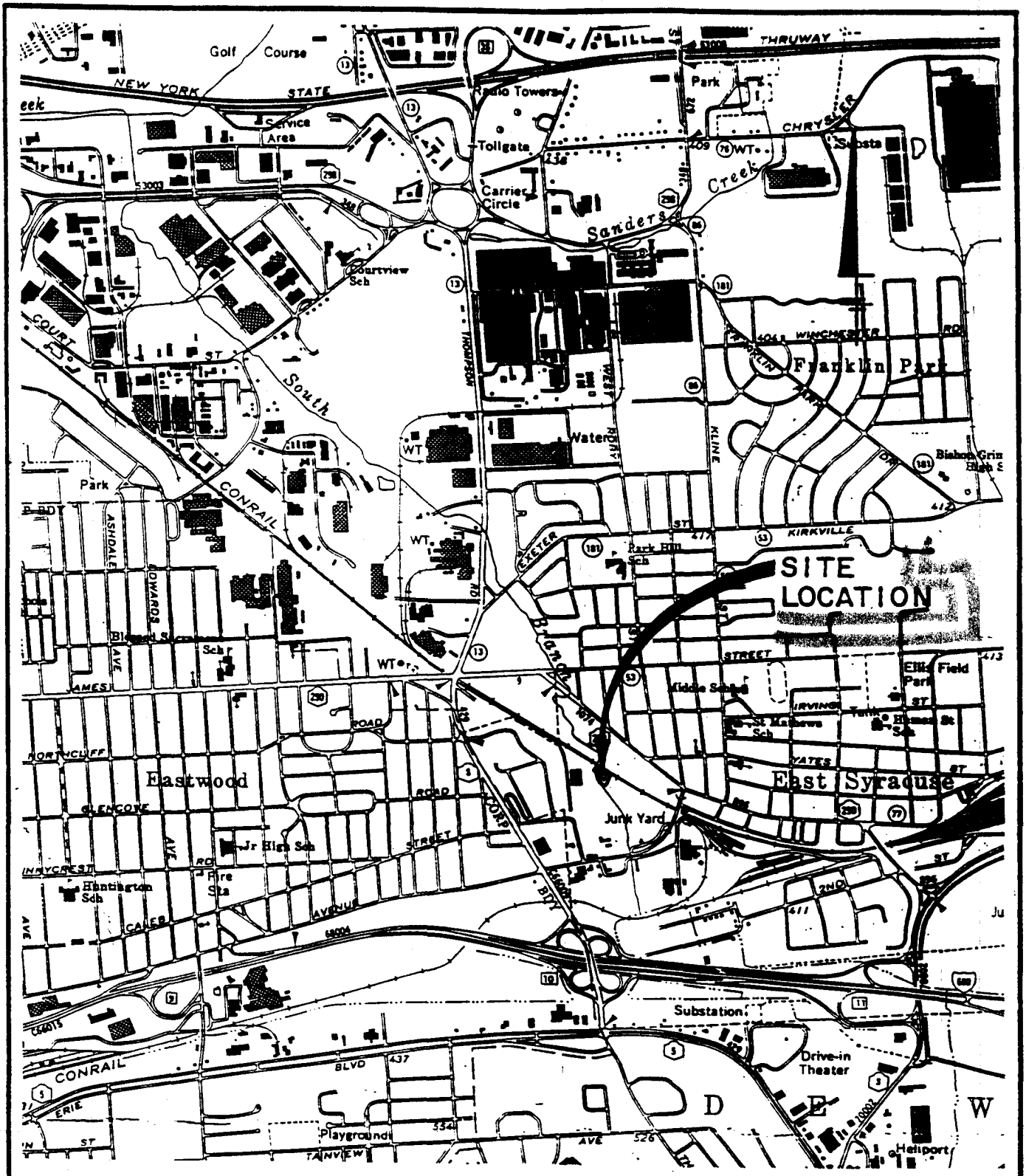
SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER NAME....: Bristol Labs
CURRENT OWNER ADDRESS.: Thompson Road, Dewitt, NY
OWNER(S) DURING USE...: Bristol Labs
OPERATOR DURING USE...: Bristol Labs
OPERATOR ADDRESS.....: Thompson Road, Dewitt, NY
PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From mid 1950's To 1971

SITE DESCRIPTION:
Latitude: 43 04 '00"N Longitude: 76 05'00"W
Flat topography: Light industrial/residential area
Nearest water body: South branch of Ley Creek is located adjacent to the site on the west

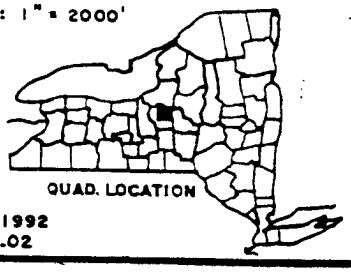
The Bristol Laboratories site is an inactive landfill that was used as a burning pit to dispose an unknown quantities of laboratory solvents and chemicals used by the company. The company manufactured antibiotics, pencillin, and various other drugs. The site is approximately 1.5 acres in size, and was used for about 15 years, from the mid 1950's to 1971. Small bottles of laboratory waste were dumped here at the rate of about 100-200 bottles per year. The bottles contained wastes such as acetone, peroxides, mineral oils, and spent lab chemicals. The wastes were periodically ignited and after burning out, covered over with soil. A Phase I Investigation has been completed, and a Preliminary Site Assessment (PSA) has been completed in Dec. of 1992. The PSA investigation revealed the physical evidence of past disposal of hazardous waste through the discovery of gravel lined trenches containing laboratory wastes. Chlorinated solvents were found in soils and groundwater. The groundwater samples indicate 1,1,1 Trichloroethane at 13 ppb > 5 ppb of N.Y. State standards and 1,1 dichloroethane at 9 ppb > 5 ppb of N.Y. State standard. The downstream surface water sample indicates acetone at 61 ppb > 50 ppb of NY State guidance value. These contraventions further confirm the disposal of solvents at the site.

HAZARDOUS WASTE DISPOSED: TYPE	Confirmed-X	Suspected- QUANTITY (units)
Laboratory Solvents F001		

FIGURE 1



REFERENCE: USGS SYRACUSE EAST QUAD. 1978
SCALE: 1" = 2000'



MARCH 1992
870.02.02

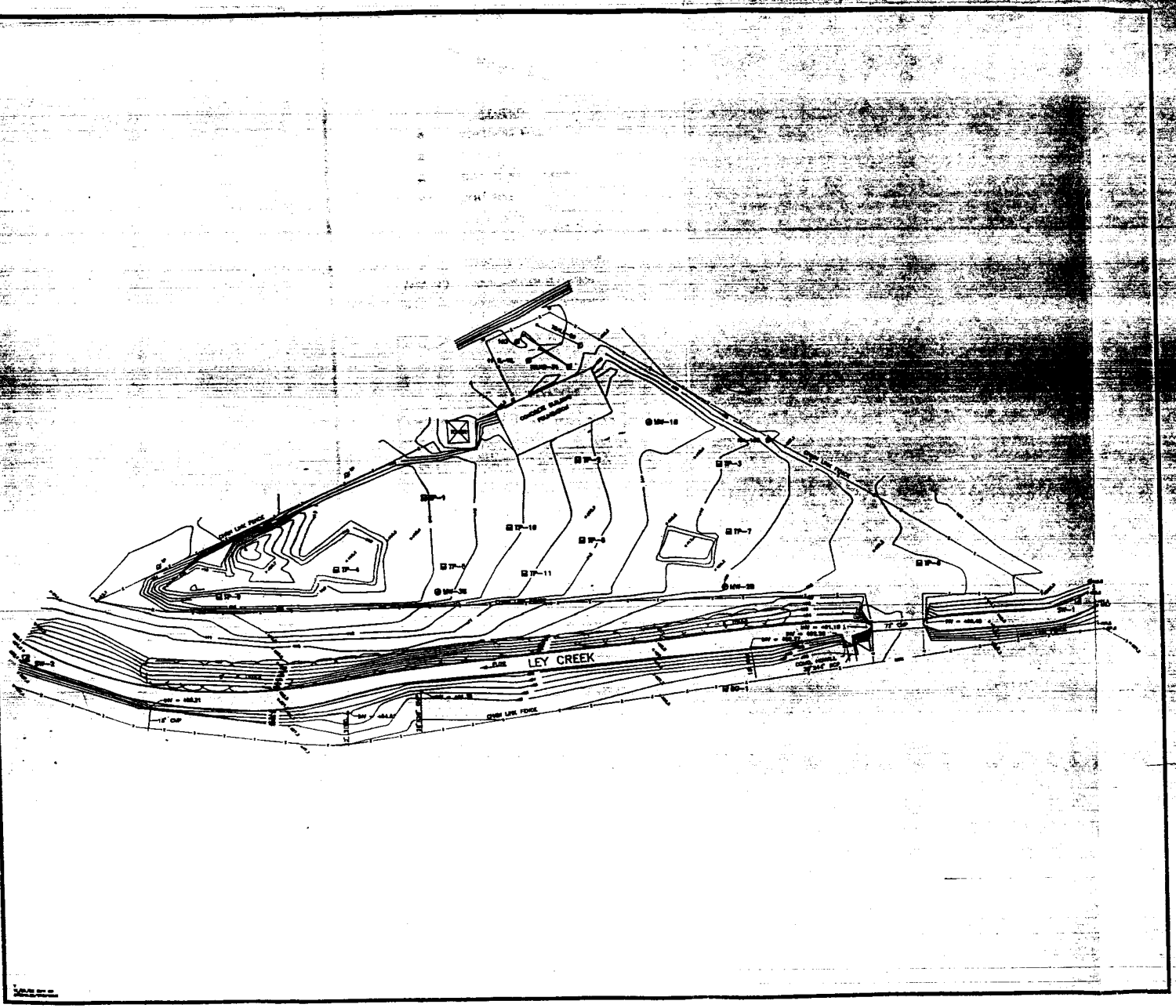
BRISTOL-MYERS SQUIBB SYRACUSE, NEW YORK
BRISTOL LABORATORIES SITE

NYSDEC INACTIVE HAZARDOUS WASTE SITE
SITE NO. 734001

PRELIMINARY SITE ASSESSMENT

BLASLAND & BOUCK ENGINEERS, P.C.

FIGURE 2



LEGEND

- MONITORING WELL
- TEST PIT
- SURFACE WATER SAMPLE
- LIGHT POLE
- GUY ANCHOR
- UTILITY POLE
- STAINLESS STEEL PIN (FOUND)

NOTES: 1. CONTOUR INTERVAL = 1 FOOT
2. ELEVATIONS BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929.

BRISTOL-MYERS SQUIBB COMPANY
BRISTOL LABORATORIES SITE
NYSDEC INACTIVE HAZARDOUS WASTE
DISPOSAL SITE NO. 734001
EAST SYRACUSE, NEW YORK

SITE PLAN

HORIZONTAL SCALE:
30' 0 30'

ELSAESSER & DOLICE ENGINEERS, P.C.
CIVIL ENGINEERS & LAND SURVEYORS

1.0 - Executive Summary

1.1 General

This Preliminary Site Assessment (PSA) Investigation Report has been prepared for the Bristol Laboratories Site (the site) in conjunction with an Order on Consent (1992) between the New York State Department Environmental Conservation (NYSDEC) and the Bristol-Myers Squibb Company. The site is currently listed as a Class 2a site on the NYSDEC'S Registry of Inactive Hazardous Waste Disposal Sites (Site No. 734001).

The site was reportedly used from the mid-1950s until 1971 for the disposal of vials containing laboratory wastes. No written records of the composition of the laboratory wastes are available, however, the vials are believed to have contained volatile organic compounds used as laboratory solvents. Reportedly, the vials were periodically taken to the site and broken in gravel-filled trenches, and the contents were ignited. Approximately 100 to 200 vials each year were disposed of in this manner. The trenches were backfilled prior to 1971 when laboratory wastes were disposed of off-site by contractors hired by Bristol-Myers Squibb. No written records of the precise location of the gravel-filled trenches exist.

1.2 Site Description

The Bristol Laboratories Site is located within the Bristol-Myers Squibb facility on Thompson Road in the Village of East Syracuse, Onondaga County, New York (Figure 1). The Bristol-Myers Squibb Company manufactures antibiotics, aminoglycosides, and small volumes of other drugs at the East Syracuse facility.

The site is approximately 1.5 acres in size and is bordered to the northeast by Conrail railroad tracks, to the west by the South Branch of Ley Creek and to the south by the Fulton Iron and Steel Scrapyard (Figure 2). The site is currently enclosed by an 8-foot-high chain-link and barbed wire fence equipped with motion detectors. The only structure present on the site is an aboveground concrete structure (approximately 70

feet by 30 feet by 8 feet high) which was reportedly used as part of the Village of East Syracuse's sewage treatment system. Construction and demolition debris (e.g., cinderblocks, concrete, asphalt, wood, etc.) is scattered throughout the site and appears to be partially buried in several mounded areas.

1.3 Preliminary Site Assessment Effort

Task 1 of the PSA, Data Records Search/Assessment, for the site was previously completed by E.C. Jordan Company as a Standby Contractor for NYSDEC. Subsequent tasks were then assumed by Bristol-Myers Squibb under terms set forth in the Order on Consent. Working on behalf of Bristol-Myers Squibb, Blasland & Bouck undertook the remaining tasks in a fashion consistent with the PSA program requirements. Specifically, Task 2 of the PSA - Work Plan Development was completed by Blasland & Bouck and reflects the requirements set forth in the NYSDEC's Technical/Administrative Guidance Memorandum Phase II Investigation Generic Work Plan, May 9, 1988. Tasks 3 and 4, as described in the Work Plan, were performed by Blasland & Bouck following approval of the Work Plan by NYSDEC. The Order on Consent signed by NYSDEC and Bristol agreed to accelerate the PSA process by performing Tasks 3 and 4 concurrently; therefore, the initial results of Task 3 were not required to be submitted to NYSDEC for determination of the need for the execution of Task 4 activities.

The purpose of this PSA Engineering Report (Tasks 5 and 6 of the PSA process) is to provide a summary of the PSA activities conducted at the site and present the analytical data developed during the PSA.

1.4 Site Assessment

Subsequent portions of this report present detailed discussions and supporting data regarding the assessment of the subject site. In general, this assessment included a variety of investigative methods that provided for sampling and analysis of air, surface water, soils, and ground water. In summary, the following can be concluded from this assessment:

a. Ambient air quality as a result of site conditions has not been impacted.

b. Site conditions have not impacted nearby surface waters.

c. Ground water and soil appears to have been marginally impacted by site conditions as indicated by the presence of volatile organic compounds associated with past hazardous waste disposal practices. However, the amount of the wastes are inconsequential and would not be expected to require the performance of any remedial action.

d. Soils are contaminated with semi-volatile organic compounds, primarily polynuclear aromatic hydrocarbons (PAHs). The presence of PAHs is not believed to be a result of laboratory wastes; rather, the PAHs are likely due to petroleum discharges related to activities at the adjacent scrapyard property and/or other filling activities which took place on-site.

e. Soils do not exhibit hazardous waste characteristics as defined by 6NYCRR Part 371.

f. Physical evidence of past hazardous waste disposal (i.e., gravel-filled trenches, vials) was encountered on-site.

Included as Figure 2 is a Site Plan which presents a detailed map of the site as surveyed by Blasland & Bouck.

1.5 Reclassification

Based on the findings presented herein, it is recommended that this site be delisted because both parts of the two-fold requirement of Article 27, Title 13 of the Environmental Conservation Law (i.e., documented hazardous waste deposition and a significant threat to the public health and environment due to the

presence of hazardous waste) were not satisfied. This PSA did reveal physical evidence of past disposal of hazardous waste through the discovery of gravel-lined trenches containing laboratory wastes, thus confirming previous reports regarding the type of wastes. However, this PSA also revealed that the threat to the public health and environment was not significant. Summarized on Table 13 are the relative impacts to ground water and soil which are likely due to the past deposition of hazardous wastes. Inspection of these data reveal that the concentrations of volatile organic compounds attributable to laboratory wastes are virtually at the comparative cleanup standards for each respective medium. Relating this information to the definition of "significant threat" as stated in 6NYCRR Part 375-1.4 yields the conclusion that this site does not constitute a "significant threat." In fact, the regulations state that "the mere presence of hazardous waste at a site or in the environment is not a sufficient basis for a finding that hazardous waste disposed at a site constitutes a significant threat to the environment."

Further supporting the recommendation for delisting are site-specific factors including size, usage, and exposure pathways. Specifically, the site is a small parcel (approximately 1.5 acres) located in an industrial setting. The nature of the surrounding properties is such that future access and usage of this site is very limited. In fact, Bristol-Myers Suibb intends to use this property for the future construction of industrial facilities. Based on the limited access and usage of this property, the potential receptors and exposure pathways are greatly diminished. These factors, in combination with the above findings, are all supportive of delisting.

Nevertheless, this PSA also revealed other site impacts not related to the past deposition of hazardous waste. Specifically, the presence of PAHs indicates that there are petroleum-contaminated soils on-site which are not related to the laboratory wastes. Further, no obvious indications of oil-stained soils or free product were observed. Petroleum-contaminated soil is not considered a hazardous waste; therefore, this finding is not relevant to this site's status as an inactive hazardous waste disposal site. Bristol-Myers Squibb acknowledges that these soils must be properly handled and managed in connection with future earthwork activities at this site.

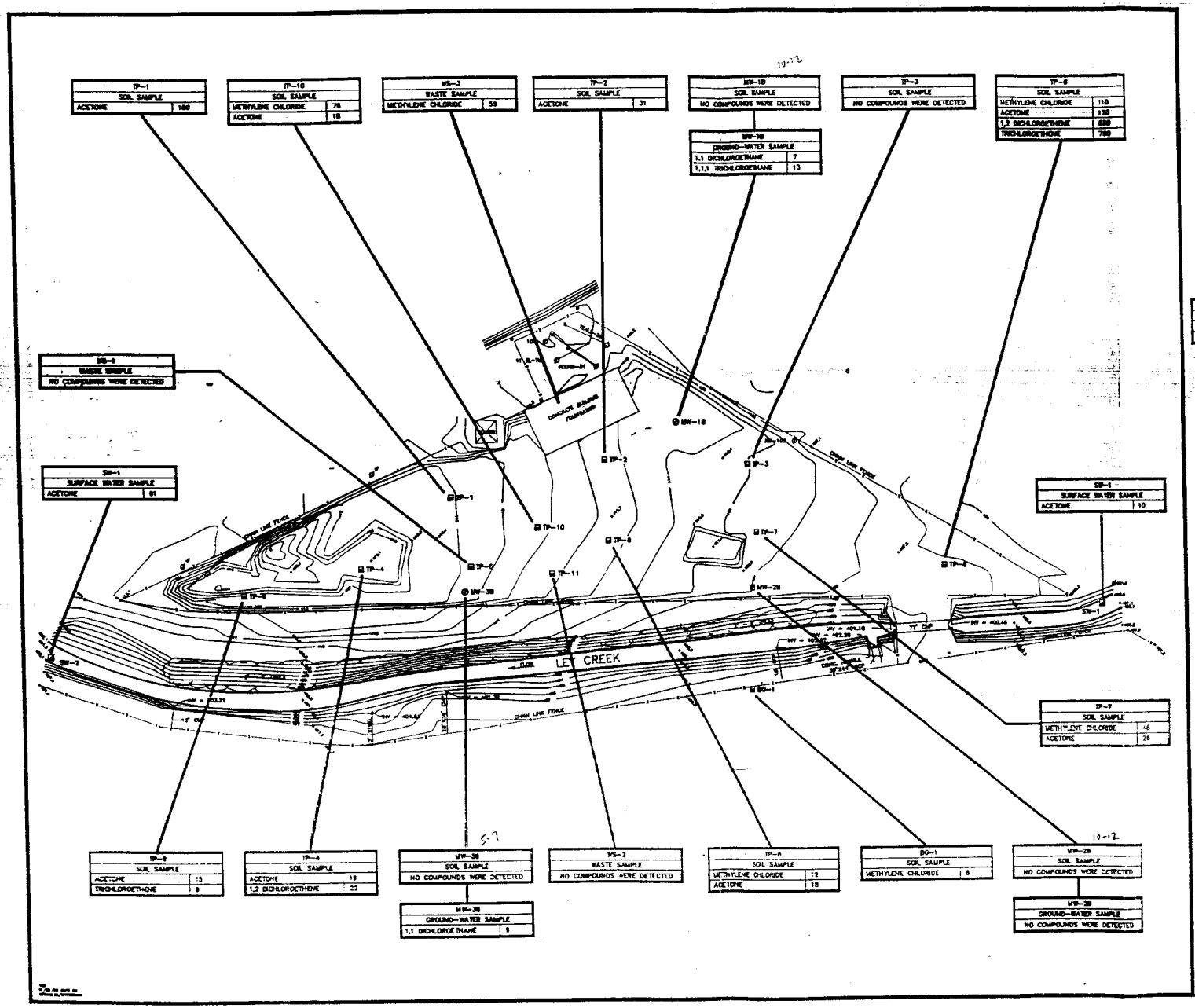
1.6 Revised HRS Score

As stated in the approved Work Plan, the existing HRS worksheets were to be updated as part of this effort. However, subsequent discussions with NYSDEC have revealed that the original HRS worksheets are considered obsolete. Therefore, in order to compute an HRS score, it is necessary to fully develop an HRS for this site using a new HRS software program (Prescore). However, it has been reported that this software is not operational at this time thus making it impossible to update and/or develop an HRS score at this time. In addition, based on the recommendation that this site be delisted, an HRS scoring effort would represent an unnecessary use of resources.

1.7 Future Activities

With respect to future studies, Bristol-Myers Squibb, in January of 1993, will conduct an additional round of ground water sampling and water level measurements in a fashion consistent with the approved Work Plan. The purpose is to confirm the existing analytical data which supports the position that there is not a significant threat to public health and the environment due to the presence of hazardous waste.

FIGURE 4



LEGEND

- MONITORING WELL
- TEST PIT
- SURFACE WATER SAMPLE
- LIGHT POLE
- GUY ANCHOR
- UTILITY POLE
- STAINLESS STEEL PIN (FOUND)

VOLATILE ORGANIC RESULTS:

TP-8	
SOIL SAMPLE	
METHYLENE CHLORIDE	12
ACETONE	18

SAMPLE NUMBER
SAMPLE TYPE
COMPOUND AND CONCENTRATION (SOIL AND WASTE SAMPLES IN ug/kg, GROUND-WATER AND SURFACE WATER SAMPLES IN ug/l)

DETECTED FIELD BLANK CONCENTRATIONS

SOIL: ACETONE, 25ug/kg
GROUND-WATER: NO COMPOUNDS DETECTED

NOTES:
1. CONTOUR INTERVAL = 1 FOOT
2. ELEVATIONS BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929.
3. COMPOUNDS PRESENTED AT EACH LOCATION WERE ABOVE THE LABORATORY DETECTION LIMIT. VALUES THAT WERE BELOW THE LABORATORY DETECTION LIMIT ARE NOT PRESENTED.
4. TRIP BLANKS - ALL COMPOUNDS NON-DETECTABLE.

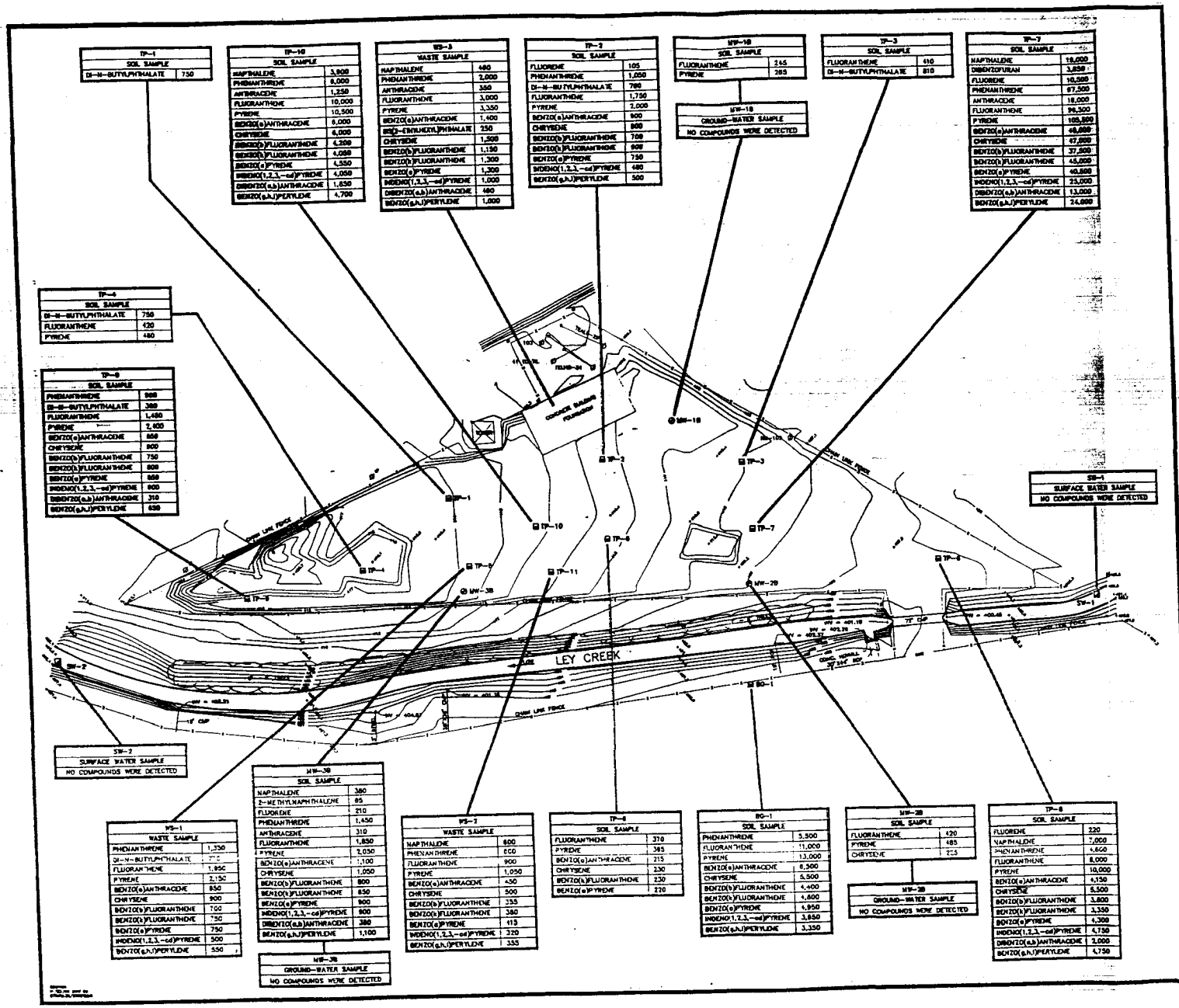
BRISTOL-MYERS SQUIBB COMPANY
BRISTOL LABORATORIES SITE
NYSDEC INACTIVE HAZARDOUS WASTE
DISPOSAL SITE NO. 734001
EAST SYRACUSE, NEW YORK

VOLATILE ORGANIC ANALYSES

HORIZONTAL SCALE:
30' 0 30'

BLASLAND & BOUCK ENGINEERS, P.C.

FIGURE 5



LEGEND

- ● MONITORING WELL
- ■ TEST PIT
- ▣ SURFACE WATER SAMPLE
- ☼ LIGHT POLE
- ▲ GUY ANCHOR
- ø UTILITY POLE
- • STAINLESS STEEL PIN (FOUND)

SEMIVOLATILE ORGANIC RESULTS:

TP-3	
SOIL SAMPLE	
FLUORANTHENE	410
DI-N-BUTYLPHTHALATE	810

SAMPLE NUMBER
SAMPLE TYPE
COMPOUND AND CONCENTRATION (SOIL AND WASTE SAMPLES IN ug/kg, GROUND-WATER AND SURFACE WATER SAMPLES IN ug/l)

DETECTED FIELD BLANK CONCENTRATIONS

SOIL: BIS(2-ETHYLHEXYL)PHTHALATE 10ug/kg
GROUND-WATER: NO COMPOUNDS DETECTED

NOTES:
1. CONTOUR INTERVAL = 1 FOOT.
2. ELEVATIONS BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929.
3. COMPOUNDS PRESENTED AT EACH LOCATION WERE ABOVE THE LABORATORY DETECTION LIMIT. VALUES THAT WERE BELOW THE LABORATORY DETECTION LIMIT ARE NOT PRESENTED.

BRISTOL-MYERS SQUIBB COMPANY
BRISTOL LABORATORIES SITE
NYSDEC INACTIVE HAZARDOUS WASTE
DISPOSAL SITE NO. 734001
EAST SYRACUSE, NEW YORK

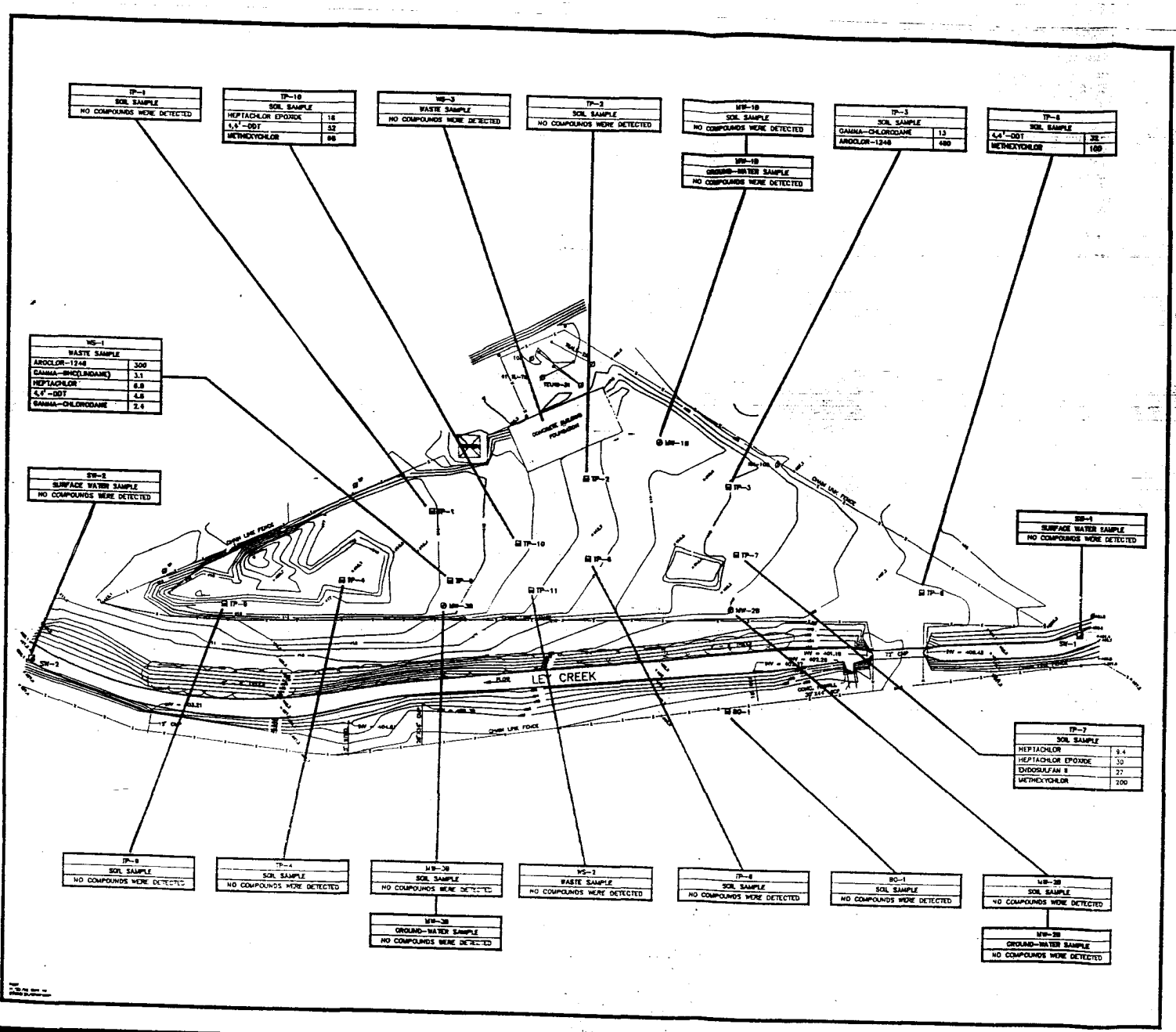
SEMIVOLATILE ORGANIC ANALYSES

HORIZONTAL SCALE:
30' 0 30'

BLASLAND & BOUCK ENGINEERS, P.C.

RACER0058751

FIGURE 6



LEGEND

- MONITORING WELL
- TEST PIT
- SURFACE WATER SAMPLE
- LIGHT POLE
- GUY ANCHOR
- UTILITY POLE
- STAINLESS STEEL PIN (FOUND)

PESTICIDE/PCB RESULTS:

TP-3	
SOIL SAMPLE	
GAMMA-CHLORDANE	13
AROCLOR-1248	480

SAMPLE NUMBER
SAMPLE TYPE
COMPOUND AND CONCENTRATION (SOIL AND WASTE SAMPLES IN ug/kg, GROUND-WATER AND SURFACE WATER SAMPLES IN ug/l)

DETECTED FIELD BLANK CONCENTRATIONS

SOIL: NO COMPOUNDS DETECTED
GROUND-WATER: NO COMPOUNDS DETECTED

NOTES:
1. CONTOUR INTERVAL = 1 FOOT
2. ELEVATIONS BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929.
3. COMPOUNDS PRESENTED AT EACH LOCATION WERE ABOVE THE LABORATORY DETECTION LIMIT. VALUES THAT WERE BELOW THE LABORATORY DETECTION LIMIT ARE NOT PRESENTED.

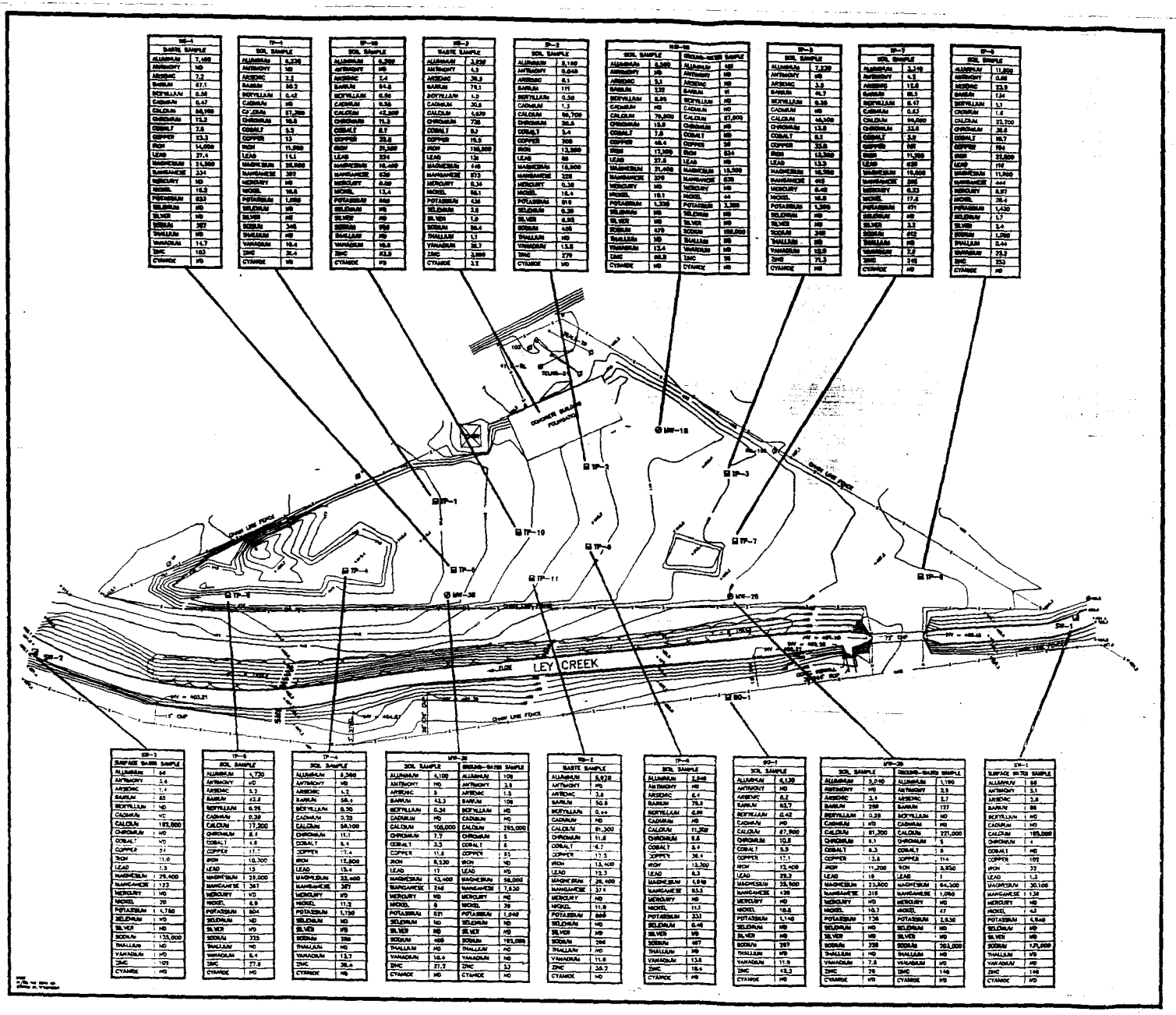
BRISTOL-MYERS SQUIBB COMPANY
BRISTOL LABORATORIES SITE
NYSDEC INACTIVE HAZARDOUS WASTE
DISPOSAL SITE NO. 734001
EAST SYRACUSE, NEW YORK

PESTICIDE/PCB ANALYSES

HORIZONTAL SCALE:
30' 0 30'

BLASLAND & BOUCK ENGINEERS, P.C.
ENGINEERS & SCIENTISTS

FIGURE 7



LEGEND

- MONITORING WELL
- TEST PIT
- SURFACE WATER SAMPLE
- LIGHT POLE
- GUY ANCHOR
- UTILITY POLE
- STAINLESS STEEL PIN (FOUND)

INORGANIC RESULTS:

TP-6	
SOIL SAMPLE	
ALUMINUM	11,900
ANTIMONY	0.56

SAMPLE NUMBER
SAMPLE TYPE
COMPOUND AND CONCENTRATION (SOIL AND WASTE SAMPLES IN ug/kg, GROUND-WATER AND SURFACE WATER SAMPLES IN ug/l)

FIELD BLANK CONCENTRATIONS

SOIL SAMPLE		GROUND-WATER SAMPLE	
ALUMINUM	48	ALUMINUM	ND
ANTIMONY	1.2	ANTIMONY	4.7
ARSENIC	ND	ARSENIC	ND
BARIUM	33	BARIUM	ND
BERYLLIUM	ND	BERYLLIUM	ND
CADMIUM	8	CADMIUM	ND
CALCIUM	20,700	CALCIUM	ND
CHROMIUM	ND	CHROMIUM	ND
COBALT	4	COBALT	ND
COPPER	48	COPPER	10
IRON	18	IRON	393
LEAD	4.8	LEAD	ND
MAGNESIUM	14,300	MAGNESIUM	58
MANGANESE	9	MANGANESE	3
MERCURY	ND	MERCURY	ND
NICKEL	28	NICKEL	19
POTASSIUM	1,120	POTASSIUM	ND
SELENIUM	ND	SELENIUM	ND
SILVER	ND	SILVER	ND
SODIUM	3,330	SODIUM	168
THALLIUM	ND	THALLIUM	ND
VANADIUM	ND	VANADIUM	ND
ZINC	19	ZINC	98
CYANIDE	ND	CYANIDE	ND

NOTES:
1. CONTOUR INTERVAL = 1 FOOT
2. ELEVATIONS BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929.
3. ND = NOT DETECTED ABOVE LABORATORY DETECTION LIMIT.

BRISTOL-MYERS SQUIBB COMPANY
BRISTOL LABORATORIES SITE
NYSDEC INACTIVE HAZARDOUS WASTE
DISPOSAL SITE NO. 734001
EAST SYRACUSE, NEW YORK

INORGANIC ANALYSES

HORIZONTAL SCALE:
30' 0 30'

BLASLAND & BOUCK ENGINEERS, P.C.

A. Sylvester

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233 - 7010

APR - 3 1995

This letter was sent to the people on the attached list.

Dear :

The Department of Environmental Conservation (DEC) maintains a Registry of sites where hazardous waste disposal has occurred. Property located at Thompson Road in the Town of Dewitt and County of Onondaga and designated as Tax Map Number 011-01-01.0 was recently reclassified as a Class 3 in the Registry. The name and site I.D. number of this property as listed in the Registry is Bristol Labs, Site #734001.

The Classification Code 3 means that the site does not present a significant threat to public health or the environment - action required.

We are sending this letter to you and others who own property near the site listed above, as well as the county and town clerks. We are notifying you about these activities at this site because we believe it is important to keep you informed.

If you currently are renting or leasing your property to someone else, please share this information with them. If you no longer own the property to which this letter was sent, please provide this information to the new owner and provide this office with the name and address of the new owner so that we can correct our records.

The reason for this recent classification decision is as follows:

- Laboratory wastes containing volatile organic compounds used as laboratory solvents were disposed in gravel filled trenches and ignited. Analytical data further confirms this hazardous waste disposal. Although contraventions of groundwater standards are due to this disposal the locality is supplied with public water. A classification of 3 (hazardous waste disposal has occurred but action can be deferred) is justified because contaminant levels are not significantly above standards and they do not pose a significant threat to the environment or public health.

If you would like additional information about this site or the inactive hazardous waste site remedial program, call:

DEC's Inactive Hazardous Waste Site Toll-Free Information Number **1-800-342-9296** or New York State Health Department's Health Liaison Program (HeLP) **1-800-458-1158, ext. 402.**

Sincerely,

Robert L. Marino
Chief
Site Control Section
Bureau of Hazardous Site Control
Division of Hazardous Waste Remediation

bcc: R. Marino
T. Reamon
K. Lacey, R/7
A. Sylvester
A. Carlson
L. Ennist

AS/srh

A Sylvester

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233 - 7010

MAR 15 1995

Bristol Myer's Squibb
Thompson Road
Dewitt, New York 13214

Dear Sir:

As mandated by Section 27-1305 of the Environmental Conservation Law (ECL), the New York State Department of Environmental Conservation (NYSDEC) must maintain a Registry of all inactive disposal sites suspected or known to contain hazardous waste. The ECL also mandates that this Department notify the owner of all or any part of each site or area included in the Registry of Inactive Hazardous Waste Disposal Sites as to changes in site classification.

Our records indicate that you are the owner or part owner of the site listed below. Therefore, this letter constitutes notification of change in the classification of such site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State.

DEC Site No.: 734001
Site Name: Bristol Labs
Site Address: Thompson Road, Dewitt, New York 13214

Classification Change from 2a to 3

The reason for the change is as follows:

- Laboratory wastes containing volatile organic compounds used as laboratory solvents were disposed in gravel filled trenches and ignited. Analytical data further confirms this hazardous waste disposal. Although there are contraventions of groundwater standards due to this disposal, the locality is supplied with public water. A classification of 3 (hazardous waste disposal has occurred but action can be deferred) is justified because contaminant levels are not significantly above standards and they do not pose a significant threat to the environment or public health.

Enclosed is a copy of the New York State Department of Environmental Conservation, Division of Hazardous Waste Remediation, Inactive Hazardous Waste Disposal Site Report form as it appears in the Registry and Annual Report, and an explanation of the site classifications. The Law allows the owner and/or operator of a site listed in the Registry to petition the Commissioner of the New York State Department of Environmental Conservation for deletion of such site, modification of site classification, or modification of any information regarding such site, by submitting a written statement setting forth the grounds of the petition. Such petition may be addressed to:

Gary L. Spielmann
Acting Executive Deputy Commissioner
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-0001

For additional information, please contact me at (518) 457-0747.

Sincerely,

Robert L. Marino
Chief
Site Control Section
Bureau of Hazardous Site Control
Division of Hazardous Waste Remediation

Enclosures

bcc: w/o Enc.
E. Barcomb
R. Marino
T. Reamon
A. Sylvester

w/Enc. (Copy of Site Report form only)
R. Dana
G. Anders Carlson, NYSDOH
L. Concra
T. Fucillo, R/7
C. Branagh, R/7
E. Belmore

AS/srh